



TEJUS
CONSULTANTS

Test Report on Compressive Strength of Concrete Cubes

Project	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.6.							
Client	Bruhat Bangalore Mahanagar Palike							
Consultant	TEJUS CONSULTANTS							
Contractor	Sri. P Hemanth (SOORYA CREATERS)							
Grade of concrete:	M30							
Size of cube:	150x150x150 mm							
Reference IS code:	IS:516-1959							
Sample Location	Temple road,Hegdenagar 2nd main @ ch.45.00m							
Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm ²	KN	N/mm ²	N/mm ²
1	29-07-2020	25-08-2020	28 days	8.586	22500	678	30.13	30.49
2	29-07-2020	25-08-2020	28 days	8.742	22500	684	30.40	
3	29-07-2020	25-08-2020	28 days	8.566	22500	696	30.93	
Remarks : ☒ Satisfactory / ☐ Not Satisfactory								

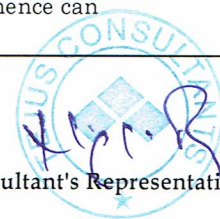
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4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

A.E.E. (Project)

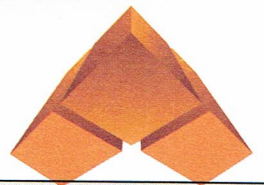
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Consultant's Representative



TEJUS CONSULTANTS

No. 58, 3rd main, 6th Cross, 1st Stage KHB Colony, Basaveshwaranagar, Bangalore - 560079, O : +91 80 23287532, tejusconsultants@gmail.com



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Consultant	TEJUS CONSULTANTS							
Contractor	Sri. P Hemanth (SOORYA CREATERS)							
Grade of concrete:	M30							
Size of cube:	150x150x150 mm							
Reference IS code:	IS:516-1959							
Sample Location	15th cross, Hegdenagar 2nd main @ ch.160.00m							
Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm ²	KN	N/mm ²	N/mm ²
1	29-07-2020	05-08-2020	7 days	8.224	22500	440	19.56	19.53
2	29-07-2020	05-08-2020	7 days	8.326	22500	436	19.38	
3	29-07-2020	05-08-2020	7 days	8.432	22500	442	19.64	
Remarks : Satisfactory / Not Satisfactory								

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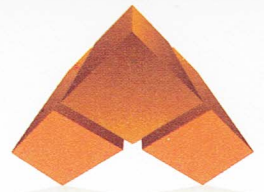
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Consultant	TEJUS CONSULTANTS							
Contractor	Sri. P Hemanth (SOORYA CREATERS)							
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Reference IS code:	IS:516-1959							
Sample Location	15th cross, Hegdenagar 2nd main @ ch.160.00m							
SLNo.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm ²	KN	N/mm ²	N/mm ²
1	29-07-2020	26-08-2020	28 days	8.486	22500	692	30.76	30.70
2	29-07-2020	26-08-2020	28 days	8.324	22500	694	30.84	
3	29-07-2020	26-08-2020	28 days	8.422	22500	686	30.49	
Remarks : ☒ Satisfactory / ☐ Not Satisfactory								

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.6.
Consultants	Tejus Consultants, Bangalore
Contractor	Sri. P Hemanth (SOORYA CREATERS)

SIEVE ANALYSIS

Total Weight:	3000 gms				
Type of Material	Fine aggregate M sand)	Proposed Use	concrete		
Sample Location	Temple road, Hegdenagar 2nd main	Date of Sampling	29-07-2020		
		Date of Testing	30-07-2020		
IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing (Zone-II)
75.00 mm	0	0	0	100.00	100
75 mm	214	214	7.13	92.87	90 - 100
75 mm	306	520	17.33	82.67	75 - 100
75 mm	408	928	30.93	69.07	55 - 90
0.600 mm	492	1420	47.33	52.67	35 - 59
0.600 mm	762	2182	72.73	27.27	8-30
150 mm	634	2816	93.87	6.13	0 - 10
Pan	184	3000			-

Remarks :

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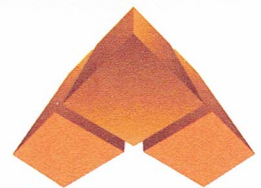
A.E.E. (Project)

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TEJUS CONSULTANTS

[Signature]

Authorised Signatory



Test Report on Cement

TEJUS
CONSULTANTS

Project	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Sample ID	Cement (ACC Cement) OPC 43 Grade
Date of Sample Tested	29-07-2020
Sample Supplied By	Agency

SLNo.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	102 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	502 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	4 mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	27.00%	25 % to 35

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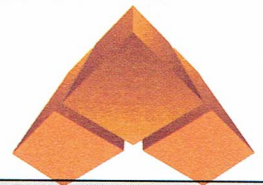

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Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Grade of concrete:	M30
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959
Sample Location	Temple road,Hegdenagar 2nd main @ ch.45.00m

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm ²	KN	N/mm ²	N/mm ²
1	30-07-2020	06-08-2020	7 days	8.742	22500	438	19.47	19.64
2	30-07-2020	06-08-2020	7 days	8.652	22500	442	19.64	
3	30-07-2020	06-08-2020	7 days	8.548	22500	446	19.82	

Remarks :

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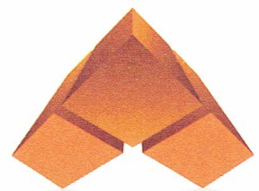
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GRADATION FOR GSB
(As per MORT&H 400-1, Grading-II)

Name of Work	:	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.
Client	:	BRUHAT BANGALORE MAHANAGARA PALIKE
Consultant	:	M/s Tejus Consultants
Contractor	:	Sri. P Hemanth (SOORYA CREATERS)
Date of Testing	:	17-09-2020
Type of Mix	:	GSB
Sample I/D	:	GSB1

Sample Location:	15th Cross, Hegdenagar 2nd main	Date of Sampling:	16-09-2020
Type of material & Purpose:	GSB	Date of testing:	17-09-2020
		Oven Dry Wt.(gms):	10000.0

IS Sieve size in mm	Weight retained	Cummulative weight retained (gm)	Cummulative % of retained	Cummulative % of passing	Specification limits
75	0	0	0.00	100.00	-
53	0	0	0.00	100.00	100.00
26.5	2216	2216	22.16	77.84	70-100
9.5	2622	4838	48.38	51.62	50-80
4.75	896	5734	57.34	42.66	40-65
2.36	1214	6948	69.48	30.52	30-50
0.425	1956	8904	89.04	10.96	10-15
0.075	830	9734	97.34	2.66	<5
Pan	266.0				
Total	10000.0				

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